

AMENDMENT TO THE CLAIMS

12. (Currently Amended) In a silver mirror, comprising a polymeric substrate, a specular-reflective silver layer overlying and bonded to said substrate, and a protective layer of a transparent film-forming polymer overlying and bonded to an exposed surface of said silver layer, the improvement of further comprising a corrosion and ultraviolet-resistant ~~silver mirror~~ protective shield layer that enables said silver layer to retain optical clarity throughout the UV and visible spectrum when used in solar reflectors, said protective shield layer ~~incorporating UV absorbers and~~, comprising: an overlay of a transparent multi-polymer film that incorporates a UV absorber, having of 40-60g/m² and a thickness range of 2-8 mil and is adhered to an exposed surface of said protective layer.
13. (Previously Added) The silver mirror of claim 12, wherein the ultraviolet incorporated transparent multipolymer film is an acrylic polymer.
14. (Previously Added) The silver mirror of claim 12, wherein the ultraviolet incorporated transparent multipolymer film is selected from the group consisting of polycarbonate, polyester, polyethylene naphthalate or a fluoropolymer.
15. (Previously Added) The silver mirror of claim 12, wherein the ultraviolet incorporated transparent multipolymer film is adhered to the exposed surface of the protective layer by an adhesive.
16. (Previously Added) The silver mirror of claim 12, wherein the ultraviolet incorporated transparent multipolymer film is adhered to the exposed surface of the protective layer by a solvent weld.
17. (Previously Added) The silver mirror of claim 12, wherein the ultraviolet incorporated transparent multipolymer film is adhered to the exposed surface of the protective layer by a thermal weld.
18. (Previously Added) The silver mirror of claim 12, wherein the ultraviolet incorporated transparent multipolymer film is adhered to the exposed surface of the protective layer by an ultrasonic weld.
19. (Currently Amended) A method for making a silver mirror, comprising:
- (a) providing a polymeric substrate;

- (b) bonding a specular-reflective silver layer to said polymeric substrate;
- (c) bonding a protective layer of a transparent film-forming polymer to said silver layer; and
- (d) adhering a protective shield layer that enables said silver layer to retain spectral hemispherical reflectance and high optical clarity throughout the UV and visible spectrum when used in solar reflectors, said protective shield layer incorporating a UV absorbers and comprising a transparent multipolymer film of ~~40-60g/m²~~ and a thickness range of 2-8 mil on the protective layer.

20. (Previously Added) The method of claim 19, wherein the ultraviolet incorporated transparent multipolymer is acrylic.

21. (Previously Added) The method of claim 19, wherein the ultraviolet incorporated transparent multipolymer is selected from the group consisting of polycarbonate, polyester, polyethylene naphthalate or fluoropolymer.

22. (Previously Added) The method of claim 19, wherein the step of adhering comprises gluing or welding.